

70 22.8 In both wines 20 meters = 195 40 39 Lower wires 40 meleus = 20 20 11 = 10. 10,0582 10 1 = 5 1523 3 10.12105 237 Telemeter 30 - Netween both wires = 100ft 60 ditto = 2 volt 30 between lowed wires con wirevarious . 15 telemen wir wheels 5 between lower wires = 10 do = 66 pt 10 in. or 20,25 on telemeter between both wires - 67.6

oct 24 1841 and, -Baileys Rocky Ol. 41.033.40 221,33,40 Corretin 41 . 33 .40 221 , 33,40 221 1 33440 41 4 33,20 Back or got on Priest I Cook made A 500 000 B 230 005 Blood For auto of Signal! dune 10, 39/4 205 / 11 Observations from Shit Head to Californ A 10 10 180 1 21/2 8 (32) North Head 134, 2 214, 35 Cor - 21,00" 137/2E V 34. 15,40 214 15.00 34, 15, 40 214, 16 Avorto find notes 13 hold South Eur in how with Remark Remach 55, 56. 20 235,56,20 0 12 59 5 - 20°

1 Qur. 30" Omnach . 55, 56,20 235,56,20 Baileys D 99.45 279 45,20 Cor, = + 1"20" SVITE 99, 45,00 279. 45.00 11 = 20" 99 1 44,20 279 " 44° 1 = - 40" Bailers Church 80,59 2660,58443 - ar= 00 5.10/42 Rocky Of. 97,04 277,04,20 0 97 7 04,40 277 no 4 22.0. - 10" 97.04 277 104 - 404 Round Joh 32.24 212.24 + 2011 5 5 2 3/4 22 32 , 24 212 , 23 , 10 32, 23,40 212 1123,4 Round Fo & 180 S 52/2 7 Anchat Rock 102,44 282, 4,4, Cm + 2011 A 25 W 102,43 282, 43,20 420" 282,43,20 102,43 +20" 282, 43,24 102,43 + 200

Pulpet 160016 J 251 Wankla D 28,054.40 208,05 Cor, +20" 28,04,46 208,05 28,04 208,04,26 Split To f 71h. Higher St. Smakent S 5 27 14 71 Der St & Grammal Distance 212 Weather fine t clear - Ther. 45. Return from 8 pithear to vissel at 230 post as rain comes on-60/86(143-3 260 = 286 ft 8 in 240 286 ft 8 in - Wellnesday Oct. 25,71-Observations from AK Elge 5 Bank Lean A K J both wires 86 between 5 kg 8 13 west Fort. 120,22' 71 Ellerien both wire 236.8in

15 180 A 36/2 2 A B 3/4 W 124,00,50 304,01 1240000000 55,59.10 AC. 109 , 25, 40 289,26 N34/2W 164, 25,50 Rick if was Head; 070.34,20 W. Bluff of Smaknak I. Arth A sud Cherroal. D Earl By Elemeter 2/2 about his Ludder wires 30) 142,5 (475 Ihrene hour tukech bolderwires will not admit) fruit 225 morning dear & fine but with 475 210 950 Ar 150 nigh wind. P. illectoudy -29:94-45-

Thursday Och 26-1871 n. e. Had in line with outer edge of spithear of two principal bliffs Observation from D. East, a west - by telemeter 97 between 30)97 (3233 97 (3233 6463 100 646/1-8m lower were 83 3/4 W Hele Shirts Creek of Show hy mil. Alon - down coines & 1650000 Aigher Pt. S. head to how Bus Wildle Pl. Sam Ridge Sout Highest Pt. S. Sul of Ridge

Pyramid Mrt. Highest Pt. East Knob, Softitte I, on amakhak suiddle do. (Høyheit Ol. Amallink S.) West do, n A I 17 atom hungo fine Sign & Lower wires, Buch Kryb water mark Bluff on A. Sido Entranco 30/275/9/033,40 First Bluff SE & I . Reads below between lower winds, Rock & will on A.E. Pt. Amakwake S. between town yours controlonds with him a title wires 5 that of the take, 5 34 /4 2.

from ballows believes bathlines below between tock wines, 723 ft 4in bock where the Small I 37 Relevant 20 Jahrash am 2 Ledge Af Emele & Carta) 6 223 pt 4in (Ox 4 3 Eastern Pl Small & (Rolls) 29 Setween both wines S 75 & West 80,06' 93 Him 4 Rock 36 belown 6 och am. 15/22 och 6" 37 126 44, A.P. Small I. 140 believen bath wins A 441/2 20 466 ft 8in Ohr. acion de from freaching 53 A 17 & Thickolity about 30 ft. fort of bouth 8 Low Rive.

3/12/37/3 +10=383/44hm 21/37/3 Ohi from A west Sam It as defore 112 below fort wire: for table dictance to bradely A. 54 /2 2 Still 40 The of true on modelle trungent 3) 88 1393/3 High water J & & hetween both wines 11/2 2 293 H 4in Latterno lectionen tour hung from
12 2 1366 At 8im. 30)205-683./3 1180 134 9/18 in 30) 115250 Leteren Cover wines (my).

about 18/2 W 116pH 8in. actors between book comes between book wine about his portion of 71 m 15648 in

2. Eur 11 11 11 22 14 100 5 66 4691 1080 pt Sec 77 der Ann him 1. Ch 202 acres Tays In the 514/2 Exet 400 Ram comeson, and prevent further observations mining ober for miled that don't in Pull Sprevent squal altitudes. heing taken - Rain I would from IN. _ thiday Oct 27 ____ Heavy survestorn- all day 29,564 - Saturday Oct. 28 Rain & squally of 2000 n.W. 29.872 Ther. 40! Might wind will storwers of recent there 42. Bar. 29.838. S.

31)21/20 3 3

Oct. 30. monday Amakank Squit , & Is A H 0 180 Filience both view, 5 STORES VERY SERVER - West 4.26 187,2540 14 pha 34 A Mes L 150 1/2-13-15 1 634, 6 3 × 4.7 mm and the second Floring Great at XX 235 When Lost mire wi A 83/2 E.

67.15,20 247,05,00 5 1-3 1 1- man KLXXXX 1 50% Final Comments 2 7 121 2/11 47 140 20144 Cross of 20 W = V % 15. 43.50 1.05 Ension House at S. plantente 557 234,32 54,32

2 9-11 - 11-11-20 201,41,41,4 1 2 8 78 150 Kilmen Brown Will 177 57 66 enert Rock of Sismon Rock 13 A L 1/2 2 A 12 Vic 5 Trudles, of buent hoch 1/-1 amoberal C. in sect out-live -F 74 2x 212.51 102.3240 1 1 1 1 1 1 2 1 2 1 2 2 A. W. + 27 C. We the War is A I a company to the second of the second of

bay in la ter spital state I man take in tall-These 4 /2 Pour - 29, 150 - Williams S. October 31 st. Freedowy. grand the S. Ther 45 Deex 29,2122 Theresony 7/-Then 34. Bar, 29,580 wind & lit Heavy show fall november 2. Thursday Ther. 32 Bar. 29.844 Wins O. Snow falling at intervals all day, very heavily in Fill. I now sa Hiday _ Heavy survivator. Bar, 28762 There 35 min 11. Wrist squally for That They mornation From 32 to 48 in the water they appeared to agree who we that

Ship The marty Standard V 32. 1 321/2 82./2 45,0 v 45° 45.12 45./2 44.1/2 44./2 V 38.0 37.1/2 137.1/2 V41,1/2 V 47.12

the ships of my read from told the author the difference appeared greater. The ships thank read half a degree higher between sz + as but the difficulty I placing two thermometers one with a metallic ease of me without, under the same conditions in the drawshis it currents of air on board ship lead me to place more reliance in the best ly water, Clean instruments. nov. 4. Saturday gale for SW & Swanston Bas 129, 170. Then, 30 - 41 min Lay don't aquathy Vinory, Bar, 29,986 That 32. min 28, 8W. - monday how. 6 -day squally with rain, Bar, 30.076 7 20, 34, Mm 28, 52,

Parallel readings of themember strongs of themember of the strongs of themember of the strongs read even with the strongs read even with the strongs read

the they have first Obs. Ami & West. directly sures elections 16. *i* . u M V Clarita . 1, 13 D. H. 1.44. 181, 94. 1 6 1. 44, 2 1.14 71 Value $C_{i} \leftarrow Q_{i}$ v 6. 1. 1 9. 38, 20 Vi William 1-7-1-141 V 7- 5- 7 E Win Paris on the second of the $A_{1}^{-1}(\mathbb{R}^{3},\mathbb{R}^{3}) \times A_{2}^{-1}(\mathbb{R}^{3}) \times A_{2}^{-1}(\mathbb{R}^{3})$ v 1 = 7= 3 = √ 15. 13. 11 1 11.40 U 3 rest Contract Sin (0. √ -: <u>-</u>: ----27 0, 17. 201

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South bears h & 3/hW (middle). SE end of that hears S 66 W suit of slope SN corner in one with rocks off west head of Captains Howber bears 579 W. met hear S 84/hW bluff S. Side makushin valley and very only in the second Horringian = nit, in william _ november Elipsonwing -Chambridge from A Least A 7/10/1 1/460 1/1/1 C 3 4 End to Will Com type 17 mod 40

` v 17...±. ±. 0 A D 12 Mark to 100 17, 49 - 20 Down Live 9 59 19 110 - 0 69 19 - 9-C1 -----46 7 171 1 $I \approx 42$ A 0 1-1-1-1 24.11 e Chatter well to we also 40 64 22 $\alpha_{-1}, \gamma_{-1}, \gamma_{-1}, \gamma_{-1} \in \mathcal{F}$ and the transfer a D ALWIN i, 130 - C 1 22 11 5 4 6 1 2 2 32 32 SE 212.57 1-11 12 1140 2.4 2.12. -45.74 10-1 - 0 Kr. 2.3 1 1 1 1 3 4 150 13 B estate to the second 196011 2, 74 130 4 24 . 60, 77 210, 600

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in million Herred wet in bone 1776W4. Charley about Tut. it 725 Little Marie Committee Com 4. Acus 13/4/ 1/457/52 25. 4 17 5 NECHEY GENERAL 12 14 HER 1921 HELD - 12-, 14, 44 14 m. Want 4 \$10 12-CIA-40 194.1F AKSTEL 150 A I SAVIET OF USE HONIGHT DESCRIPTION +== H3,19 223,11 16 A Z 55,33,20 235,33,2 L A 1/44/4 2 180 1 LV328/LE Con+20/107,24,40 237.25 1 0 107,25 287,25,20

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150 V G. . - 26" 51 " 51.20 231, 51 · -20 51.51 · 0 51.51.20 231 , 57 231.57.20 a HUS 121/8 2, Gm. 0 /63, 13 243,13,20 , 20 63, 12,40 243,13 . 0 63,12,40 243. 13 AK 180 A H Corr-40"/06, 31,00 286,31,20 A.L. 180 AH £ 11,38,40 × 19163/ and 11,21,20 191 = 21.20 a +20" 11 a 21 a 40 191.21.40 4 CaS 45W/ Gor 0 73.17.40 253,18 " -20 73.18 " -40 73.18 253,18,20 2 53,18,20 AFS7094WV +10" 99.10.40 279 .11 99000000 279011 u.. () 11-180" 9910,40 279.11 . 8 99.10.40 279,10,40 AH 150 Con 61 157 20 241,57,40

(in 0 25,52,40 205,52,40 LIF , 50 AE 42,45,20 222,45,40 42, 44,40 222,41 42 445,23 222 ,45.40 Joh anthroll S. Sugger mit de Crust of Pyrusmil 5 31/2 E rear & 1/5 8 Ount Commente fourt Shut 1+/5 of 32 1/82. · Pay clear stime & calm Ther, 38. of ice over inverted to form in Well to the inself thinks already 30, -- 30,72, Way With /no Siz Years Land Hill.

33 H & h ENGLISCE WELFAREE REPORTED TO WILLIAM limits when with the time - I the t a moderale S. F. vreeze Ther. 42 min. 35. Bar. 30, 368, Side juage room muy well. January Mon. 12 127: 15 25 - Mento, Awa 13 Day Clouby with some in Vocan Part 30,050, Therm 47, Min. 35. And Right S.E. P. M. take bearings of law the

Bar, 30.000 . 4her. 40. min 34. Orney, Jair. Uma Light & -The transfer pentinged on the letter the more Commence of the state of the St Observations from A Round I. .. Hermatel of 5511/2 & from Center of Milion, there to ve A WALVE W 273/82 ddiend 10.3 ...40 13.49 A DATE OF THE STATE OF THE STAT 14 5

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22.15

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2 Rockey 17 Company But I want to the Transform a market in the state of 1.5 5 71548 English English and the light was 13942 11, That Weilble Bluff 203,79,20 22,39,40 A to the second second N 51162 Pinned. 1 47/14 2 Cm. - 20 209144120 29244 200711 11 Same Co 41,20 100 1.1.11 20 An aller Bare , 1 N 75/22. 22.5. 07 UKLETHO. 226 .0 .40 48405 n ital Shirtual A 205. 1.... N 52342 205 , 17 ,40 1221110 N = 2.0205:17 1. 1. 1. 1. 2.6. . - 4 () Thilliance in 150 () N5234 2 Rusky Fr.A C+ 17 746" 7777 11 min it 11 -20 578/22 225,45,40 116,40

. ... A Knoky F. . . . 578128 Chr. C 265426426 25. 2. . . 2.6 8 5 26 4 6 11 +20 265,26,20 265.26.40 85.26.20 . 1-20 Sale 1 1 1 1 237 - 28 20 -7.28 4 597474 5 Level Jan John & 341.05 161412 , 20 18.40 198.40 198.40 Brand Landing of and Known n 100.10 241,30 helakita 4 4-25" 105-54 25544 Rockly Pount & day 150. 1-1 10 10 1 1 Con & 100,32

C16 (): 100 m 35 1 56 , 30 Chair my & relieve foresel - Ween celay hours = Bar, 29,932, Therm, 34 min. 29 Culoud Cloudy tight /frim) ice, The inner har fax. rains most of lay - Thursday News 16 _ 1 Pour 29,778. There 32 min 31. 8kg de dy snowing light Calin Roms Founds during day Dell nu breeze. Friday Nov. 17 Bar. 29, 586. Ther. 32. min 29. Sourcey hand Ealing. Bar, 29,066 Ther 40. min 29, Rain & hard someth from 10.2. Surely 11 119 - 35. Fair now high of the world of (2 5 65 HL , Way Mich 24 -Stoney, At a by millerly war out it. very highliste lost de et The state of the s Intelly 110 1/32 13 n- 29,2727he 39. 111- 55. 111. Och acreelings I man Shiffy to Center 1) biggins 5 851/ 7: for Therd, 29 in, From Whenher

Makken 270 54 201. By (Shuthard Center 1 Sin 299 or 48 1 189 or 48 1/51/1)
Boy half storydy, which toward not. Pill ralixer - Wednesday nov. 22-Box. 30, 05%. Therm. 37, min 36, wind Swim Early morning charges to MW with snow about & a. M. Pom fine as to spect her? to take angles but by heaves such sands Evening tales heavy know just - Thereston how, 23 -Ber. 30,630. Wiedo way best new. Thee 38 min 28, Charter Them day taking acilles from dilbert & Romer Tops thriday thri 124. Bar. 30,550. Thu. 39, Min 28. Wind light SE. Thin ice over the whole of small harbor. Epunt day at Wakkta thating taking andles - Laturday nov, 25 Bru. 30.456. Will bely English The 30 min 22. Minning bless He hard to you he it all, they leafronce Burnie Ing. - My Jay nov. 76 _ Bar, 30, 162. Mar. 41.5, Mary. 38. Ward hadled, E.

Bar, 50,036. There 42, min. 38. Wind light SE. Froggy with various degrees of density all day. - Juesday nov. 26,_ light 1. 2. Go to Bailey A i-take alytes, the service is forty feet above the recent would Think feet in from high water mark and with a single chief or of black rocks in the with told Near Station n 77/2 W. Surf comment in from NW cape. seges least where bendeavonry to launth her store brut wet instruments and everything, walk tool to rellage us we earned fel off on account of the our news rocky beach Bar. 30. 1869 There 36. Min 35; Wind equally from SE with server flow ries occasionally. nov. 30-In time believe Wakken begand A Permach at tap of beach relemeter reads between both wires 22. Beach of Wakley Stocker interior with Bulkit Knick and Watchla Figure, When ater reads the believe fathermine,

Junte of the har of more 10 MAL to a side Bur. 30, 500, Pher. 35, Min 33, Calm != during in Min. Clears off injuly at more with the treeze Cheice agains on the - Friday Seed 1871 - -- Company of the state of the s regarded to the many that the state telemeter; of 40, mine, 311, the Lower is the select of the mitter saling + places on the state. angles in Rooky Point in a all ? all correct admistrate to 1396 feet the lest blemeter. Bar. 30/386. 3 31, 18in. 25. morning called Jolland by treeze Trong TO IV Fallings and in the factor Bar. 30,286, Min 33, Ther. 37, 35 Ouffy wind from nW with successive snow squalls all day luming into varue in Sill Sunta 130.5 the market who called to _ Manting les 1 -Bar. 79,736, Ther. 29, min 27, Priege from W. Thy half elv-16-9 -In tideo with that took I there dely out high water much on telemeter, 20 Julium, both wing In live with & Krundliff, 2012 between borner or in the

Janton & forest of the us between In live with & Pullit 41 White lagree winey In dies with A Back 15, 6 bites Little Little Spentmerning taking angles from Spirthens completing the series. P.M. Wind los high to admit of work Tuesday Dec 5, 1871-Bar. 29,312 Ther. 30.5 Min- 27. wind fresh me. at 11 Hill moustand from 9,30 d. Il. to 11 take angles from Rocky Pt. a Grows all the vest of the day occurry - Wednesday Dec. 6. Bar. 29,050, Ther, 21, min. 25- n_ Gale with enow from north all day Une continues there 29.00 there 23. Thin 21 + Viset are grove wherh could not to done Justicions and fines that it has al popular about five minutes often we left it theotony from a prece of the period jolling between the roller - Tribay Deal -Bac 28, 988, The, 24, Win 20. Wind light SE with high some P.M. my heavy snow gall. - Solandon Des ju Bon. 28,943, Ther. 22, Win 22, Wind Jack

aw, about 8 inches of mon feel last might. The bench mark was 54 mchs above the height of the water which were on the staff 8.45 carefully measured -10.641 - Mrintay Dec. 11. Ther. 30 to 45 - min - 27 - Bar. 29, 164 wind very light from SW. 8ky in an hight donds. Epend day taling andes of Palsier + Rocky Point G. It girls cold . Small harters, i icedes ones again. about midnight ME breeze. Tuesday Dec 12. 1671_ Bar. 29.070. Mir. 355, Min 27. White has cleared away all the ice, and is blonny hard from nW with ram or proon. Men from book of angles see. 11. From Pulpit, General trans of share Toward Hall Rock, n 27 E. End of bluff bears n 30 2 Split 40p, M, 46 & - Crest anuknock S, 16 2 W went to tite grace at 215 a very high tide found that the water

stood at 9.5 mille stat taking the mean between the viterclets. It had been a little higher but overry to the warping of the paper by damp the penail had been preven ted from reaching its maximum By carefully examining the enou. in a quiet place, which came for the vise and fall of the rottles genue to the conclusion that I had been about a fenth, of a for higher which would bony 9.6 - to off to sauce again about half part eleven Pill. and find the water down to 3,525 on the stall with about a foot to spare on the paper. The water me fell a little after this, burney, org

Medicaday Dec 13, 1871

Box 29210 ther. 32 5 Mich Froc again. P. M. Clondy, fair - Evening

Clear Stars very billiant.

Box, 29,37. The 27. min 20. Wind. O. Cloudy with anow. Shahice all over mall harber - Later, about now breeze from n. S. will anow - Evening SW

and SE with heavy runs & Ligh wind ice broken up & disappears Bar falls to 28,930 -Pass by flb tetach. Noy high ribe endeeding the limit of the grage In anachoroust a half. I sale all day of manying Intersity with trovents of noise -Bar, 29, 131, Flee, 35, min 24-Setale diministry, of blew with sent from at times during the might and the ressel drances to The most west three or poton length though having both auchors once 100 gathons of chain on each ont. I cloudy with had oqually-Scenaral sephele irly un down Roots of several honger in The village boat of willie outy flower about from the boach 18. IL courts mortherly and lightens Evening blue lights mostle on short Bar. 29, 838. Ther. 21, Min. 29. Calm clear, Small harbor Voceging overhimoing a constant difference between The height us measured in the stuff

outside and The seine as recorded + by the tide grage, since the oil was put into the pleat ook, I measure the height from the surface of the oil to the vollow of the floor of the tide guage house frieding it to be 19 is mother - at the same time the distance from the surface of the water to the bottom of the floor, was 214 inches giving our elevation of the surface of the out about the water theret of two inches-It probably varies a little with The temperature - Day very grite thick & hard by night thinding meancileable extens in the computations from The telemeter I altempt a measurement in deck full the character is too short for a satisfactory mal. The elast has been hading made and will have to be joninhed over as soon as 0 care go a constant for the apples measurements sheady taken.

Correction for telemeter measure measure ments

Fiveal length of theoretic help to the flass to esaluly, is

additione con. 12, in = 3048 ments
of the charm one foot in advance of the plannhot in the direction of the staff, adding the correction to all distances measured

tion to all distances measured ince for each sight.

Trial on deck gives 5 units between both wires at a distance from the focal point of 16 feet 5% inches = to I unit between both wires at a distance of 3 feet 3 45 in or 0.92313 miles to which correction to the center should beabted. Brevious tighs have omitted the focal correction and are hence erroneous. They must be repeated in a more correct way at the first opportunity

- Montay Dec 11 ---Bar. 30, 880. Ther. 39. min, 25. Uno in a. M. none, drivered non ne light P. M Blong north. Ice which had termed quite Thickly on small harbor, besins to treak up T five men & go to the rarions signal done by the said of the 16th Buileys Frederica Tupo larra Rocky Point alfrais all dem, were set up know. The others were. all right. The wind upper ed to have lifted the offered working out of the formers as the holes were not enlarged or the stays, except one, broken - Evening chily with a good deal hage & high arried - Back to Vuessel by dash. Pour 30.200 Thee B. 19. Como 11 1.E. the asher & that telemeter care fully. 20 units between both wines arriver purity to the orders and two smill are included between the lower wives at a destance of 13 feel 1 inch. both distances from one part in advance of the

Eyample I.

170 between lower wires

170 selween lower wires

170 33340.000
33340.000
342595

1034450
304394
729656

13 ft = 3.96 283 meters 3= 3.98783 meters

This gives as constants—

Turn't between topp with wires

= 1 meter =

Timet between tower wires

= 1.993915 meters

use therefore for tower wires

I wint = to 2 meters less 0.006085

meters for every mit subtenfed. To which

that the sum of 0304794 is to be added for the

Jocal correction making the true distance

Pull clears, Entering beautifully clear + calmo correction is to all harber home ± The correction for vertical angle. the ressel out into the middle of the houter in am. New so Joggy as to wet like rain _ Wednesday Dec. 20 -15ar, 30.172 The 30:40 min. 22 See over smill harbon extenting as far as north-Rock 481 the second of th were that we go was no week the second of th The second of th 1 10 (6 m) Foot of March 12 La Spill world because the interest of the party

Nigh will from EVS must we return, after frushing sens of angles a donle for comes on no the a, he agreed deal of fine ice around kelp and . in sheltered perturns of the main Bay Jover and howwer offer wind aptings up-Pisit tude justice and justice in of. win 342 Wind squally E. high. Horty & disopreable - Dec all good. thenthe over styling all boy, wind shift to ne in Bull - with rain - Briday Bro 22 Box 29.570. Thu. 39 : min 35. Write felly from SE. Heavy rain - West tide proge of let out chain three links to shift "The mean level nearer the bottom of the paper. Rains all day, were the of early Saturday Dec 23 -Bay 29-702. Ther. 40, run 39- wine light & Henry for + Aire dain alt day. Therring erect two signals on the east shower the Day

one near the cornetery about gotty beet from the beach any filleen feet above high wal wirelet which loves itself in the stones of the this albatroes station, another the east side of the Bay west of a small hight where the books ean abrieved always land, 20 feet from the breach to water mark - Still water nale from which the flags have Wown away after moon week a primary eignal on the top of the hill between middle & South ann Knak Island just south of determined; all the other pri many stations are visible from this one and it will be one of the stations for The man triangle, name It Keystone station -Survivay Dec 24 -Bar. 30.050. Ther. 45. 3km 35. Wind le 8. 1683-Arreeze freek in P. M.

Mining Dec 25,117/_ 30.157. Ther, 35% min. 33. Cloudy with rain and a severe SE wind Spiller to - Tuesday Dec. 26. A Edger water Worde spit 120 pm. Bar, 30,200. They, sy, min 35, Wind. Brene " upacis. " 14 pages to escape water casterly, Joseph cloudy - Wrier How almost & pale during day - make soit alt soft with here. arrangements about eval. C dette line not strong at the water Bar 30,153. Then. 36. min 34. Wind light cartesly cloudy with possery showers of ram and sheet. But up I charre at some " and we are 10 Best 120V. 3 on top of spot to sociola Elman 10 para h horyest at to the James Aleren persol 120/1001 - Thursday Dec. 28 -E day End de se 120 mg 10=1, 29, 918. Ther. 32. min. 29, Wind now oning on small harrer. To get mean Form 10 paras to rescript with temperature of sea water commence Therm having it over the stern, G on top 1 12 1 1 3 ocross 120 mm continuing the surface observations, last neglit the creally rese 40° water Wheeler 89 tallans 5673,11 in early term was of a) The envioce. Du at an approximation to the 219 may timp, of the air, any up no of the cadella Therm of the tide Strage - Tunge seems to stick some how when the water is on the rise to to experient in Pall who alternet to measure over the base him with

89: 1900

1200 1260

1760

1700

1700

90%

5454

1000

a restation line as obtaining is impossible. The attempt fails as a proposed it would have seen and the telemeter. Any ends calm or light & air, and heavy eval of ver in small harbor.

Ban. 29,912, Then. 34. Min 21. May 35.
Wind any light SE, dear I five. Small
harbor scripty for your were
line with telement

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C	3 18 1/2	1 55	318,413
	253	0 , 15	257,998
	233		232.998
F	84	4.41	84.416
C	330	+權"40	329.93
		?	122422

Remarks

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169.410	110.25	169/2	
1765:462	er light		Fortal Ch
	s intact.	lee mennañ	large . S
3 had	elenshin back as	the record	to durk
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	evens hen Libralian	the record	to dark

Remarks

the on the second of the secon

Proc. 24.504. The 27. 1004 102 Min 19. 12.15	
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Paristry Dec, 31, 1871_ Por 1942-62. Ther. 33. noise 94 may 27. much les windowith charles to take some ice stalking montay lan, 1, 1872 Bur 29,136. Ther. 30, Mm. 25 may 32 Trees high wind from new with snow populls ice prevents our visiting lide grace. Wind blows very hard during day t evening but makes very little impression on the ice Trustey Dan 2. Bar, 29.222 Ther. 27 Min. 25 Max 33 Wine fresh new cloudy with enou at intervals, special most of the morning getting to the tide shape were carried arrangly the ice -- Wednesday Jans -High or wine, That 3d. May 30 Man 24 Ban 29, 150 Du little offected by the word, but apparently thanky a little . - Sirw squally occasion dely Thursday Shuffwind I W as better, they is place afraguet wind me house here-Bar 29,340, Phu. 25, Min 23, May 32, Oce gradually yielding but still covering the better half it the harder cloudy not have amont

Friday Jan. 5, 1842 Bar, 29,264. Hen. 22. min. 19. max, 25, Which along as before with snow aguards all day ice disappearing tradually Very low tide at night - Bornson Jane 6. -1500, 29.624, Thu, 23, mon 19, Wins Wind proffy form M.W. Courston thank before lies nowally conse to the Mindry enverer . It shisting her KAT 14 , 1 , 1 ... 15-6-2 S. E. 4 rales It williamly, Syound have -P- - 1,500 - Place 27. Min. 18,5. Michigan - market May 32 Wind to 55 pool of Oce hormany Half clean with her in the day green rulend to the new our plant must of the ice out by 9 Pull. Weather the coll of warm for high he do any observing-Frieday Jang = When I was a street with the street of the Les still obstructifithe purtor

Mednestray Inn 10,72 ___ Wind shifted to SE Accele Menny the Thursday Marthy/2 10 mc 29.254 The 30'2 Tyme 526 Muy. Ba - While light featherly in a hu, newsterly in P. M. monny lightly at short intervals - flust ice frank over comerpying nurted In day Jan 12. 19 6, 24,29 8 Ther, 24 in 18 May, 34 Cloudy with mow Went light W+ -Interitay Jun 13 wine Sw. light. Bon 29,256 The 2512 Max 26 Mun. 20 Copy ... , more all day - Andreway Maria May Where there is the place for Och 71 42.5 1600,09,433 Note 10 37,95 1761, 2-19 2 100 100, 71, 33,5, 29.640 --- Junior David 14 Cloudy with history associated and in Mill. Bill, 10 Walnut Bur, 29. 322 7/20, 22, 5- main, 18, May 28. Liggie 8hn sents about the Rells for they a letting coal

Liggie that did not only ful clouds only to a deletal in her chaires which must be remaded before the form the care to tea.

Bar. 28.430. N. Ash, with even to the person of the care to the person of the care to the care the care to the care the care to the care the c

- Luciany Jan 16 1879 = May 26 - Tile har receipted to in shall alove territ of his more U less light & with warry, sweet willing in. the small herrior progen over again. The universation of the had but hap is probably when the me. a heavy blow outsite which had not reached us in here-Cloudy - Pout heavy some much a large increased are uside the email harber - Wednesday - Down 17. = Bar. 28,900, Ther. 30 - min 25 - max 30 Wind he halfa only with plunding snow - Continues all day + and evening. Council ment were Carrier -

Bere 24 Mars 26 min Si min. The Wind fresh - Westerly Dec But 29,154 - Her. 19. Was 16. May 29 third with alting Cloudy with a little Smother by in the cooper to Sq and the Known about mis as -- Saturday Jan 20 -1. 29. 208 The Heli 12 May 22 Geor, may color light so in Dee forming of an with some appoints. P. M. Ewindy fresh 22 whise later strong ne and ne evening now ice growth hard arrived the harter t ressel Burnisas with niver to 29,980 Suntay Jac 21. Baron, fell last night about & P. W. to 29.450, a 8 & gale came on with heavy squalls of Traly metter snow. The sheet of i er at the opening of Hinlink harber somes down in us by the run - Don chains out a clear passage through it and The vessel is but shightly chafes the old and heavy it is to foll. or more thick gets, which of half of it passes out through

The straits into Captains Nachn The small island and on amok mak to the NW of the tide guarge at 11. P. M. The latter was all right but the fale was in evensing in fund and vendered it impossible to go to it or I should have removed the ice would carry it away. seems proved too well founds for the cirk was constell to The house overtimed and I go there immediately in the large boat and we discould in Jishing out the selfregistering grange souked with sall to water and sook oil from the float box. The only injuries it has apparently anotherno were the breaking of the pendulin and hour hand of The clock and some wrother ing of the woodwork - The register of the last month though wet was safe and Olill legible. The mercurial harmeter still hung to its pre

but appeared to have andring dorne lilymy as the me cury gave a muffled click when tipped up. The stoundard the mometet was oute. The Eassella and mintimum Ther monetus were so for under water that we walk not andition of the tite. The majnet, clock key - by of percels and me of the wights of the belegnors der not you Venus -We brought the grafe, there anneles and basonieter about and cleaned the two former as well as circumstances would about, penting a more exaplete restriction. 18av_ 28.840 Ther. 38. May 342 min 30? Tale from SE with heavy rain moderates travara evening Baranelle weren to 29,000 Par. 28,902 there 40. Early sem eats down about 9 will track tracks from SE. Est tide grage house Tower over he + hauled up on capit Neurongo when where we

Hogordan Calender was ordered for alaskarty arch Fishop of 5.7.

shall set it up - Wind inoreases to a tale in P. Ill. Baron rises 18 29,140 - Tree on Oan 22 -Box, 29,700 There. 39. Min 33. May 39 morning early ealin & quilt cloudy with a little rain - wale censel early in a. M. wight & 1. Later Joel bruge with showers of frain at short intervals Cloudy & half clearly about Pull go down in scarch is the rock reported by elle. Bailey, but the water is no high that we don't fine it Eveling the 38. Baron, 30.100 -Morning Gale from tetse with some Bar, 29.585 Ther. 38, Mar 40. min 34 haler dianges to pain. Merder ates a little in afternoon. So ashre + set up lidernage but as some weights and lost do not get it running - Bar - 29, 252 The . 36. Eventy raining hard Bar. 29602. There 31 May 34. Min 50 he to beach wint to an early first of water at new ter & statum. The brush much was 4 feet dry moles above the water at the time the signal

Britan Fire - A Reliand Semilar 82 Britan Scentilian Company 23 was seven, at the what the water stood at 8,45° or 31 inches below house. Sit the pencil to this point as nearly as possible to obtain the pane conditions as those which wister previously at the other station How well we have succeeded we can only tell in time. The priest whose experience in there matters is large informs me that the tide rips in the akutan and other passes occur about half tide sometimes Twice Three or even Jourtimes a day - In Unimak Pass they only accur when thing served will prevail. Thrown Unalga Pass to Diwlink is half a tide. The tidewave comes from the construard rounds Kal exhten point passes to the west of amakinak De and north into clintink Harbor The current in the stail between Expedition Delaw and the bench mark, I observed this A.M. man at The near the shore and about I foot in 4 seconds in the mittee of the passage.

1/4/

The falling tide passes could between Jamak hah 8 and Wralushka and out by the western prongeafternoon, telemetric observations in small harbor Evening - Light had wind. Bar, 29,500 Ther 34, cloudy - Friday Dan 26, 1872. Bar, 29,386, Theb, 35, max 41, min 34 morning, cloudy rainy, heavy agualls from SW. Tide grage clock has stopped - oil her and set her the grage is mow is a very kon me - subject to your & heavy surf noon wind moderales with a little snow. Pull clear fine with Josh 9 + 5 W wind - Telemetric of versa tions on amakenal 03 all pinto 5 volveto Evening So wind fresh, high bar, 29.330 (Day, 29, 538, Thu, 32 Mrs 42 min 31 moderate S.W. environg heartly in A. M. early - to be tide project remove the clock which regime eleaning us it will not go - later migh with and gray clear 3 W_ Kater heavy snow that - high & week Bar 29.600 - Set up tidginge clock again, it seems to vin well Evening beautifully clear & calin

Sea offers from
Amalashka

Akhan

Figalda and offer is family
trading with Dindink from
Oct 1870 to Oct 1871Good shins fieres goo1871-2 winter very few
Joses and more than
1200 seal - badyar-

Funday Jun 282 Bar. 29.608 - When, 35. Max. 39. min 30 SE gale with Aurious squalls increases toward now and the Varon. Jallo to 29, 400. This is the most severe that we have get ex perienced here about hour balposs to 29, I'm and then from Anodo alex a little and the laymiles while thouse thath & help illeave . Morday Jan. 29. Musing douby with Snow squalle from S.W. later alcars off nearly with light Swins The 1/34. Bar 29.683. 0 Forward noon, 29.900- 20 to This the ledge of nock reported to proction. Afternoon telemeter observations on amaknak P. Me, visit tide (maye which is still out of order? Win gets mind to S.E. Then calm & focegang in ther mall Harrow in evening, Bar. 30,032 32-44- Lucy day Jun 80 Bar. 29, 838. Ther. 35. May 40. Min 24, morning strong &. E. with equally clondy. Visit udequage clock and pied her joing! work all day over plotting - Burious southers la with van in P. M. Bar, 29,662

_ Wednesday Jan 31_ Bar. 29, 658_ Ther. 4H Max 41. Min 34. Storm shell continuing with towerts of rain but les wird - tall se - P. Il rain & went diminish 15ac. 29868 Thursday, Feb.1. morning Bar 29.848 - Ther-39 max 37 min 34 - Visit tide ance which is still owning with the face + hunds of the clock removed - Find the level here apparently about me lenth of a lost tower than at the other station, but must await a calm day to recti-By it. Storm fram I & with to frents of rain - work on curet chart - P. M. mortunates of little or around the west side of Crunknak Island as forlar Pinnole - Find the low and of Hog Island coveres the Bask Heart of nateckin 13mg while the outline of the island is quite erroreous. The large off AD from AC is in the with the end of male Che low place between fish Rock & D What - Evening Bar - 21.550

Sund Rain Wind. Snow. 1 Fail 11 MIN MA 1111 1111 Orpendalien Heislink 151 men-142 ferrales-20 famales 14 men -Wenner-Kasheegn 36 men 35 winen Okennoffsky 28 men 31 weman Minnak 55 men. 50 monen Swure 12 men Swure

Fonday - Feb. 2,1872. Bar. 29.962. Ther. 35.5. May 38 min 33, SE wind high in aqually Rainy + eloudy - P. M. more mongrate, rainy. Evening baron Susup to 30,065. Saturday Feb. 3 30,000 - Ther, 865 may 37, min 33. Painer Will ESE. Pull, attempt telesticities obs. but amornion in my squalled room of wind which has canter to En E. Bar. 30,050 Survay Breb, 4 Bay . 24, 202, 91 Fe, 36, mas 57, mings Wind Elys Juch Cloudy miny monday Feb. 5 In the low hat of the 3.7 3 observes that We and of the red out of water off Rockly Pejat & was I in live with Walkhon I the church or the next ware and Epithead. The reef of A D ser Jeb. 1. _ Bar. 29, 5-201 se stony with rain & hails Then, 36 7 may 37. min 37 turnithy notice from akutain Volcano one with a stight gar + during days Evening Half a fale Sq. vaca le 18act 29,442

Birka 49 men 56 wonen akhru 52 men 47 women avatamak 24 men. 23 women hjalda 30 men-Alias ka Pontasofsky 55 women morshoply 25 wornen. Belkeffily 109 wernen Paul Bay Jo wernen Perigrammay gmen -15 warmen -

Unja 71 men-Latertaly Feb. 6 -Popuffsky no rate with mind inow. The 4 men 4 normen 29. 900 - Count most lit, me max-37 min 34
Wednesday Freb. 4. Korrusky 28 men 81 Paul D. Thur. 37, max, 28, 71 m 33, 43ar, 29,322 108 men. ne cale cloudy wind a little St George Dd. more motherly our rain ceases Visit hoograge which has stopped. 20 more from the rain healty in through The orrices I welling the Paperatter. Evening wind in the old give-117 men. the, ram, 2000, & steel - Br. 29.330 167 women. Box. 29, 438 - Ther. 38. may 36, min 33,5 941 men all islands Wind ESQ fresh all day with rain toqualls, The sun breaks 27 male books through for a minust mee or 14 females -. Freb. 9-1872 25 deaths onne 5 Bar. 29,732, Thuiso. Mac 29, Min 32/2 32 WOWL -Garde show hell wight - wond 7 de tes more element y & 2, god wind to M. Olives. Bo up to from preumonia the others & Spothers or take a vile but wind from various causes not List the high that we ene do noth 346(071) mentronnem. Sing - Release 4 on P.M. take of telemetric observations in small hacker of Finish by 5 Pill war 29, 1850 - Will was the Work of the Williams

_ Sahurray Feb. 12/18/2 . hay perfectly dear -Thei 128, mile 25. may 45. Bon, 29, 852 at work on telemetric observations about small haster - allday am. Le. nevair, non & Pell, ISE Evening dead calm - ice making in small hart is Merinier ward Heath &_ Bar 29,678 For the last thee days, akutois volceus has been allering fruit muntings, like commonating, at regular sister sale yesterday being calm and perfectly clear putto of smoke 4 steams were seed to rive at intervals and appeared coincident with the or have breen weet now a new place meaver the ray on the West site of the island - There, 33. 1870 h July Bertel Hoster from Kenslepinn Ha Municok and Mathie a strong Strong of their Army that Land in about ton 165 - beat all day without making ally they the day hery clear. Moth

thick confirmed beating and about Themselves off akhur Bay The wind hauled a little fairer to they proposed to start into the Bay hat the Jog lifted ugain Captains Bay near Cape Halch their working in and in the to the eastward as fore as stretch was performed in 24/10 to 10 men 927 women 974 testil 247 deaths 8 43 Popatta 1871 112 men 104 ox P. M. mow & rain. Ban . 29.500

Wind SE

Wind mod. St. 13ar. 29, 432. Ther 36.5. May 37.5 min 31.5. Rainy + cloudy - Fill It se air min lenow I Luce Day Feb 13_ Day . 79, 435 , Their 33, May 31, min 31 Classedy, some snow in early dell Win Ut. SE. worken platting P. M. Werreter obe on o'W side of anaknak. Wino ME. rain + snow in squalls. Hunt for & find third rock 1) amakuaks, Bar, 98.11-29,250 Wednesday Rebits __ 29.220 The . 21 5 V mar 38. min 26 Schr. Dohn Bright arrives Thomas, J. Thursday Feb. 15-1 Strong would with men some squales Cloudy Remove the sugar from what & There 20 - Mars 27. Min-18. Box, 29,402 Strong or went closely with enoughealls. Bull would foce round to due west BOD. 29,402 Saburday feb. 17 -Windmin Wo. There 22 Max 28, Ming Barrow. 29.398. Slowby, with surveyualls - 11 P.M. Bar; 89,425 White With W. Snowing hard-

Suntay 7/6/11/1/1/2-Min 16 - Wind stony nw. with snowagually every few minutes night diving mowstorm -Monday Feb. 19-18 av. 29,378 Flor. 16. wind north shory MWW. 15 with heavy arrow storm - Cloudy Telemetrical chain measurement to date amount to 72,233,2457 Evening would even higher in squalls stor of Juesday Feb. 20 - 100 almo W Morning stiff in MY W mind with sounds May 20 min. 15: 4 P. M. Bar 28,900 Heavy tall of snow this wint. 11 P. M. 1Bar. 128.944 win MARCHARINE - Websterlan Feb. 21-The . 20 Sher 20, marao, min 17 Wint very extra west, will History enerts 2 P. M. word more without Bon 29,024 11 P. M. While W. more moderate 11. 29,100 Thursday feet 22. Unio W more moderale Ther, 1971 one 22. Min 18. 15ar, 29,320, Sound Squals M' intervals

Ther. 20. May 26 Min 18.
Bar, 29.880 Will sentiming all day BANL BAR- 29,200 Bar. 29.125 Het, 14. May 18 Min 16 Etrone hall group glondy with some avehiman britoff calls attention to the rocks in abutan Pass t of Cape Kalekhaininon Tubblehoffs chart Janaga or the island west of it, is wrong in dispitube as the hearings do not connect. There are several islands in the Phimagin group which are not down in any chartalso me to the east of major lat, 52, 49, 30 Low 157, 25, 45 mile seen by Capet may (3 ~ The pass of american is 36 miles wide on the Chart of Telenkoff archine says it is 46 miles wire The natives report a good harber on femisopochnoit 20 -Enne day there are makes between Bojustova & Munak on which the any weaks in undy weather, but cannot he has sturber alone to unmakithe volcamo

- Hunning soups a powhadow with the passe sage to it dangerous from bad tile rips trocks.

Linday Feb. 25 Thu 16. May 126 Min 18.5, Bar. 29, 330 Wined light S. Sky half cloudyabout of a m as the the rises and wind freshens a stocam of ice calles from Catalania Harbor poured into Blivelink Harbor through amak nak 8tr_ at the rate of 4 knots ten houras an excellent illustration of the currents it may be mentioned that not a partie be it went out by the north entrance where the water broker up yet there was noeddy there and one only clear space was a small ship at the month of the creek & thence to the in cultance. The harbor of Hinlink had been perfeelly free from ice but the lot temperature carried the cakes to breeze logither and at night a very thick & string eval of monday Neb. 26 Bar 29,582, the 18. may 36 min. 18. passing alones - Deing solidly hours in so as to prevent the pressage of

a hout to the short short of half a day later - we devote the bay to observations of equal altitudes from the vessel. according very show that a clear calm - 29,624

Thursday Seb, 27 -Mar, 29.650. At Wind SE with light, snow - Small harton icetourit- County- The 10 10 - 1 - 480 - What 9 5 2 1 - 1 Webnesday Tel 26 Ther 131, Millin RS. Max 39 Box. 29.475 - Early Q. M. Half execut with freshell & wind, 836 authoris freshers, and becomes squally with sky over cast-Luter rain & shows Then wind gres arund to no oqually and Hinally to WW elearing off In good deal 10 P. M. Jan. 29,388 Wind My will wet enous - Thursday 9,00,29-Wind string Morth thee, 35 May 55 11 123 Later NW. of the mount rain a little Bar, 24300 Later & R. M. very strong morthely Bar. 29,250 -Briday March 1_ Plan &9,364 They 33. Mar 33. Der hear - 12 Way high strong from which closely a Lathering Mar. 2 d BM. 26,182, They 31, May 36 Min 31 Chang MINW_ with deivery a word ice gratually breaking up-Pull I evening functure anomatern bu

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Par. 29,498. Fish 29 May 29 Min 25 Cloudy Fresh n W with half nelter Annyl Montony Mar. 4. Ther. 22. May 25 min 20 Bar, 24, 370 Cloudy very other new wines more model to the truit toward evening Pour 109, 16, 29, 220 Freedom Marion Charles show his or in the hill be Wes = 7. July 32 Jun 27 July 27 P. M. wind W. Bar. 10. 29.050 Her sould to high ESE wird. Ther. 20 max 42 Min. 20 Bar. 39.070 · 8.30. p. M. Bac. 28.800 Write & for y spend afternoon taking anyle from A De Eleving was shall from A TIN Thursday Marif -Morning cloudy, Now West West wind, The 32. Mary 422 min- 30, a fully approvially. Man- 25 600 - While thist from no & wall day - 10 Pills wind light in clear, Bar, S. 8. 775 may, 8. Cloudy, somety lightly at justiceal Wind SWIS moderate. Then 06 That 42 Men 36 Bel 28,900 10, P. Il wind Shy & andersle, clear. 18 M. 29.075

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Faturous Mar. 9.1172 Thee. 35. Mar. 49. Min 32 . Will versiable, southerly, very light with recovernal fresh press-Sky half clear - Spend day lading buyled from Do 15, Atk Evening wind light SE switt one snow squall 10. P. M. Elin. Bar d. Ml 29,184_ 11 Pull, 29,420 _ Juriday Marije_ Clones - poech SE wind. Ther. 32 May 35 min ,32 Bac, 29-488-Storm having apparently -48. Il Heavy south edul a former with rain cones in I last ? Pull tevening ice in harby harks up - Bar = 29,3,00 _ Merchan man //_ Storm Continuing but moderating Bow. 29,246_ Ther. 38. Way 38 m. 35 -Wind Squally SE - Heavy raise. Later less which with showers of main is had at internal Pill & cheming. 10 P. M. 29.310 W. A. Sh. E mating free Wareless letters - ever Walter a land amount in the LAR 16, and CAR 34

Meduce Fall 2 / Bit 2 ---Ther, 35 may 38 Min. 32 Bac, 29, 940 Gonty, equally, threatery men - wines fresh 38 - Blows on La D. Lu, lie itie pto on St End Plan I will for the Pull wind fres to see the te E E WHELE HAVER 15 P. H. 140. 29 540 - Thursday Marily ---40 = 36, Pro 1905 Charles will seem & = = The 156 E is whether we self extended in the second of the second duffer represent some stonets which was present the Caller - Says Chapman - also in 1871 lule in man ice broke up off 8 lover Bay having the sea marifable there and by the middle of down any vessel night have sailed there had she been able to get through the live ice to the Sol N The ice opens somer on the White of & Lawrence Do Man on the EVSE Me-1018 ... 47.620. Thomas Commence Wind & most process of the where War wer like in Serial limit Make all for - Tall, charry a nicese 8 A. M. Bar. 29.810

Johnsone Mar, 16.112_ Free, 36, Marky Min 36 10ac, 29, 720 Thee, with passing clouds, three the S. stop. Then level on the of telemoster. IN GREAT THE WEST 95 3 41 8.21 2. 1722 is been by miles week I am fraude = Thereforette reader and their - parameter of the form of our Me They bedrug 162 . I have been a win to grand the transfer of the first the second of the first the second of th and the special in the the second secon At the two two TECHNIC FOR REGION INC. Y'LINE STORE The heriel market by along this, me the line is the beardy with belowing albation & and return to ablitude

last means busined from offance partly paint with money passery scratz in Pull & it ill. clises cloudy - 9 Pill, bar - 29-70-0 mill SE 15,7.95 0.9.75 416,5% 17.5% 4.275 Elec sur 15. 4.16 9.06 TI 10 46 Church is above of the 26ft, 04 fine

Same is a series of the first o

Justice Mary J. Closing Theo. 36. 19 Mars 44 1 Mars 34 Went Ut. 52 - 1924 129,722 want later joes to new closely and by areany to see Equally Borners Pull, 27, 640 - Ulming Much -Mary 34. Mary St. Anna 20. Clarety To Warried U.S. freshing Lowers none full SE See To The pull day finishing sugar in Annald Kriffer J. F. Il Bac. 29. 720 A plant to the state of the sta There is the this was mitterally early White was Pull along of contract or 696+ SE with 11 P.M. Bon 24,262 Heavy Wetrickay Man. 20 -The same of the state of the st Hole up liberousifelin trail Fel. 9 The house teach the intervening period . If feet below the surface.

Mr. 23_ May 49, Drug Sg. Bac Egypty & B. Mishing y Delener - The Warre when books serially 10 toler Tolling ready the I Thomas Miles 224) Morning The 34 May 38 Min 28 8 942 Receiving & according hard wines squally a halo, moderate a little but continues squally all day - Pull, bar - 25. 500 Will It? _ fallowing Mar. 21_ May se there is more in beauty is Close by your SW Street SW Ruef IV Markethan in good 12 1818 19 10 2 FILT I'M IN THE HER I FENSEL . Property E E TEST COME DAY TO 110 E TEST STORE Souleday of the grant Marker United Dr. John W. W. - 3 of Cost. Configuration that Padis_ 10 Publ. 1700, 29500

The first term of the control of the 37 Mary 42 Milles & Mary - 89,020 was not promised of the party to the July 11 100 - The current setter serne 25 miles Ar Che Sumi) Pull Elem fine, Evening 100 lb Bour 19,48, Stea 170/1 - Myanger 37 37 3 4 (a) out to face outlier 1 112 20 - Para 29 150 - There ye 42. 4p. Though which a maller almost signer dearlying drive a profession -- Westerday Mar 27 1 9.11 hat will and the start of the start o Bar 29. 300. Clouby - 100 -Throughout Dentity Miller Might was 18 Wholesay Man of I'm a

All 27,630 Merch Harry of the All Tarland to the state of the state of the more than in the the Armin made and the July about I Bull south done no very to expect from the Area the little motif is Do Park when it clears I we use the invest is built Mariney of Green Williams active the least the second section of time, your me waste when yourself In the correct water them seems adular in the westward. Pull but Far in the second of the secon right Unga about & a.m. of Laturday Mar, 300. and shortly after make nagar. Boat until 4,30 A. M. and Then stand in past Delaroff Hurbor west of Papeffsky through the narand Vinga, In the straits after passing the sand spit, the charmel is in a direct line from the end of the small island between Popollsky & Muga. There is a

very in each side; after, passing me point on which the western reef if estrated, at may be well to shear a little to the westward still externing for the small is. lands western sud 52 mis are the sheatest. There is a small harbor formed by the partitolist. Poissed through and stook into Coal parter finiting the reep laid down on the chart as weedy should out of water about a goot state into new Harth and muchor there Come in about 11 A. M. and anchor about 2 Pills Day for cloudy with equally of enou thigh southerly wine Kater Stormy - Bac 29, 850 There 40 to 44-- Inntay Mar, 31, 1872_ Cloudy, story foutherly wind Bar 1 29, 200 - Then 42 May 42 Mun 40 Hold a consultation with the officers and decide to five, up the proposed hip to the westward on account of The defeats of the nessel in working and the great make

which would thereby he incurred. Decide to do as much as we can in Unalashka and come to the shamagins to spend the rest of the season. P. M. Winty & cloudy Bar same -montary april 1.1872 Bar. 28, 610. Their. 36 may 38 Heavy ne gale with half melter snow. P.M. moderates a little but Bar, jour form to 28, 450 This day april 2 part with town & some wiseralls per the man the term of the second en the sector of the section of the section of proper thing to make 4 LT Roll bright they have been been been J. W. M. Ware Land

Working days in Mar. 50. 1.00 1.00 1.00 1.00 1.00

- Thoustony office 4 - 1 California de la composición del composición de la composición de VEGT THE HOUSE, WILLIAMS Many 29, 440. They 36 Many 1/2 Min Bhittmay & many, Wale Anoma & M To GE _ Temper / water he whom duck down a fell & Time -Pull mainy, High SE wind Bac 9 9, UK 29, 282 - Midry april 5 all day Bar, 29, 400. Ther, 40, Rain and haid in smalls - Laturbury Merillo Heavy Doublivestot all granite hail train equally. The C. 34. wind shifts to HIV. Day 30, 420 thipping boat -I Lunday april 7. Street Warmy attacking has pole & Mar. 22, 36, 12, 12m. 20. 1334, Cloudy-Parketing of ourse in fiells - morrison at all i Bar, \$ 30,254, Thu. 88, 42,36. Cloudy, wind lighters W. Freether in

The Pell. Majnetic observations on Round Island All & Pullmorning maderate, take in some chain when wind proshers to we conclude not by go to strong - cloudy & clear at short interval - The. 41. 45. 32 -Bar. 30.000 - Pull - heavy mow Aqualle larling andour to half followed by clear & calmo weather It then stoney - 9 Pidl Burono du \$5,30,050 Wednesday april 10 Muco fresh SSW, to NW- Tomp. 40.41.39. Bar. Will 30.150, Block We are obliged to wait on it Jan wind no this is right in bur leeth, P. M. bar, 30, 120 Themes bry aparel 11 -Wind from SW 10 5 requally all day - 12emp 40 42, 98-1801/80,100 Evening breezes up with heavy equally train Arms SSE. Rappred from to 29,864 at 9. P.Ul Heavy Sir Wind sheet Herring Thee 38.39.35- Bar. 4.9.750_ Cloudy & sunshine by him with mint snowequally

- Jafranday a filled 15-Morning moderate was 35W-ttnoon breezerup Jame Strike P. ell - Stiffy SSE , role by 9 P. M. Then. 40, 42.38 Bar. 30.122 - 9 P.M. Bar. 29_864 Funday april 14 -Cloudy Early it ill many rature then treezes up as it has done every day, by a week, into half a faller from & with Aqualla of row or snow. Their 38, 48, 38 1 Bon. 29,802, 9 841. Bur 29.660. - Mindrey Capall 15-Morning Cloudy high SIN would Ther. 40. 46.39 - Bur - 29.608 - 8/10 lay muning erall-time I now Harry with telemeter - 18 m. g. P. Ill 29-486. Wind proch June 558 One wary ourse squall in Pell. Triestony april 11. Reining & mowy all day well whote little 34.37.35. V8m. A.M. 29.234. 9 P.M. 28,920. Strong Wednesday apr, 17 June However out S. A. W. go arrived their by the

western posterior instant beating through the collections Thus, 35, 37, 31, 13a3, 29, 924 On learny the & side of the a- heavy NW fall courts at on after stayling against officers to heave to affect, shipping me der nitrech maily filled her forward Shormed, Burney Cater tom corner out hat obliger to very to till marriedt. Thursday april 18 -29.140. White chiny or w tolking of File wind lighter with W. Evening very light - Bur 29,220 finiday april 99 -N 67 War and the first that the second Know 7 150 2

Lours of Physics 200 (12) The 1. 41. 35. Near, 74,500 - Holy chicky, 1000 - Holy when he wire stones on a guide fair course towards the liberal ne de la companya de la co The section of the se & Hilly on Thing's 5 m = 54 m = 54 m = 25 (n = 0 = 1 = 1 = 25 = 35 And the Secretary Se The state of the s - Tayley Down 120. 52 strong of the stine. Bas. 29,398 Man _ 40=0, 21 Fiell - SW with may heavy equally, Art. 12 Margaries

Webnisher, Apr. 24-72 Mar. 41, 42 (= 1 166 29, 664 Chile May we still the series in I exches gapes to the Direct Calman, Carrier, 18-18. Par 21, Fr. Kylle St. mind 10 = We & squally Man, 41-47, 24 - 130-4, 244-28 MARKE MARKET PERFORMENT dry wenting the in a like a line Agriculty at per bereally must sty Ambery april 26 There, 40, 46, 86 Port, 27,628 We will supplied to a jet to the first everying herry meletrate Transmitted Charles 24. Jan. 37. 49, 34. Bah. 29,772 Closy calm- proving lightly. . Lunday, april 28 Ther. 84. 47. 32 - Bar 29,740 Day half cloudy clalm time wint in O. M. Tight SE. Pull, br. 29,784 Thu, 30. 47, 33 - Bar, 29 + 34 Clear carry June, or Will chron ice formed lost night is small butter. Observations for home M. U. & P. M. Telemeter cherrontime on Mindlink real I all Welming warm M. 101.4.13 xx, 29, 182

- Lundry april 31th 1472 141. 36 1 34 130 din - 1/1/2 MANINE ELLE MANNEY ENTER THE CONTRACTOR M. P. C.L. BAL BOLDER Webnesday Mary 1, 1971 -That, 35 42. 32. - 100 = 37 32, 500 amily, anomorp - When light IV. Shories all dray - P. M. Box - EP, 185 - Thurstiery Mayor -THEN. 21. 41.32. 12. 29. 784 St. New string with welling mer Rac 24, 624. Friday May 3 with color intervals. Observation as the ladge exercent celling in thouse Strandeneys straits develop the foot that it rules at about the male of shortly one home the Alred passed over a line 270 fet Mary in me minute when the ploved tide was conney in with the greatest respectity in 1869 behand for at michaele in June mountered field co

in the Latetinge is in a formally to The many land than the selant. It comes in a bone of about 100 miles him) extensivy end mest in Witnesser & Capte Konstingely - at the sale L Time Enfloyer built week to the west free of of the down rence and former All cline prosing themy this see which were been as fit of writer france clear dealer 79.330 Win Will S. Lay our edlin - total Gilles SE, light Capi asles informe our that the Gul marrow is now dues, at their some very swiftly in this passage, The Here the south of the more powerful than the reverse The harthein automore is very shoot, the channel or close to The Unimake side and is often changed or even closed for a

That have by the drifting sound Leavy workers secure. There is about one fathern wales - I the aloop Dates Homes drawing 4 feet in has fore through the the eight that, drawing speed am-He did not thereby the mendantarawing eight seed sould get through . The tites rescribble those of Malashka - There me no tide mips_ P. ill. Bar, 27,600 Wish and repair eignals. duy - Afall Bay 29.666 L. Minkou May 6 -Thu. 38-46. 41, - Bar, 29.144- Wins SE - horry many & squalls all any a little more more act in that, Bar. 29.162 - Tuestay may 7 -Ther. 36-48-47- Run - 129-164 Half clandy palous with chowers in the our later lially about with Sw maffe or months at intervals. Special the whole day Round of a Minde Markey May & Ban Sing Bac. 29,522. Her, \$9.48,36. Wind Squally enclosed with min. Pill.

The secretary week 2- my week may be repair vicinia wiring which have sufferet multe weather. Eveny Square, freely, with raise 29,450 Cloudy with a little rain, where Think enembers in inches holler M. M. Lelen ille chim- milery on the rect rear 30 and the live and find of broth leturaking to straiting tel begins to me attend 230 Poll - but we continue at none ETIL 4. 30= 9.124, Final Mydel N.W. Man-7. F. H. Friday May 10 - 30 Light NW Ram continues all day - Pull wind Wilt, gold Box 29,720 - Saturday May 11 -Ther. 36, 52, 41 - Bar, 29, 820 Olear, greek it wind - Felemeter observations on thralashler and Samaknak wichs, occupy the day - 9.4. M. bar, 29. 870 ESE shows with anid wein strong squares Ther. 37, 42. 35. Bar. 29, 240. Who moder Mer, and friendly dead are soning 22.350

Ther. 42.45.36. Bar, 29.054. Wind mulfresh with rain. Toward nord very high squally with hence, rain and snow. I'll rany mere moderate was sel-Bar 9, Pull, 29.460-Tuesday May 14. Ther. 35. 40.32. -113ac - 49-466 81 snowing turiously - Wied W- attendon changes to SW_ Evening which high cloudy - Dar. 29-760-Wire and the state of the state her. Mr. Bor P. W. So. Mer. 31, -2, 33. Pent. St. on J. Commercial must aim. Ill war in we can allow who with following the rest of the rest of the day - Markenter Francis freezery Kand 29 980 -Clarity Light January William William Sold by Many 1 Ther 37. 45 40. Bar 24.815- Valoryly from BA 1 allerte - se mille denvice in the serve

The Contraction of the 150 to 150 to

Wind no with snow squally all day - Cly by, Bur. 9 Bul. 29. 520 - Frenchery Miss, 191877-Ther. 37-42.35, Bar, 29.840 - Cloudy. strong now wind. Pull. bu. 29.754 Copy from Capt mays toy Int. hom same 25, 1869 . Day I . Daren mobiguit Id hore Hellbey h. by compound clust 25 miles - Course ME_ Lows 15 7 7 1 200 26 -830 P. Ut, made Two rocks above water heavy nively compages dut 65.15 + Long whord 158,50 - Began fresh bruge from SW later & Bill wind moderate, hay - (running an average of 5 knots) changes course onth SE - Vessel ship Caesaretilch Rooks appear doutful Day aqually with snow train at intervals - Monday May 20 -The. 42. 45. 35 - 18m. 29748 - Cloudy 1 snowequalls with nidelling word in A. M. P. M. nure moderale - angles from albatross station & number shore line to ffillwater - interruption by snow - But. Pell, ag. 840. Fuesday May 21 -Ther. 39. 44, 34. Box. 25 260 Clocky

light W. write Start for north. Head signal and princh the nights from that point I man The shoreline of half of moran Buy Weather rather quiet book west and but little ven and constant elente of heavy got keep soning up withing every they so that we have But to by the wing at last, Cloudy light. W wires heavy soft rain porcing down sherdely. Ther, 41.46.34 Mar. 24,510 - P. M. Bah. 29.498-Ways thirts to East with a fish Juffy wind, heavy steady rain 4 tog: Ther. 37.46.42, Bar. 29,562 9 P.W. Bar. 29.664-Friday May 24 Wind hight 259 all day with a constant succusion a light them us but no for Mu. 37. 52,46-Bar. 29, 720, 70.11, 12m. 29,866 - Saturday May 25 mm Then 43. 49. 39. Bar. 29. 888. Ding eden, fred noon light It are batte brok nw - work all day running hear aux in Libian, Bay werry Var. 9 P.M. 29.946 - Clock -

Ther. 46, 58, 37. Bur, 29, 900 - 8ky Clondy - calm noon clear tight horthely wind - charges in till to MY SW_ ruther fresh - 111 cloudy 3 1 3 1 11, 29, 812 Then, 48, 56, 40, 13av, 29,934. Clear Obs. In time. Light or write, for L at intervals the will a clear. all day topographical middle amaknak & Te Pullioly for time lake up to day - Bdr. P. M. 29,918_ Clear Cittory Treezesy may 26 -Thur. 38. 44.60 - Bon. 25 - 78, Clary high ne sie with an issued with Pelones answers thit's mind to the eastward. angles from Still pater theten in a cell complete in Pille Your Keyston States also completed - Vewering Light Lucky many wind & Thory 541 42, Bar, 29, 724 B.M. not

Riebell.

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Work to be done Lo rainy Livelly, which ships to he with beam black clints. Platting.

Oli day P. M. Bar 29, 722

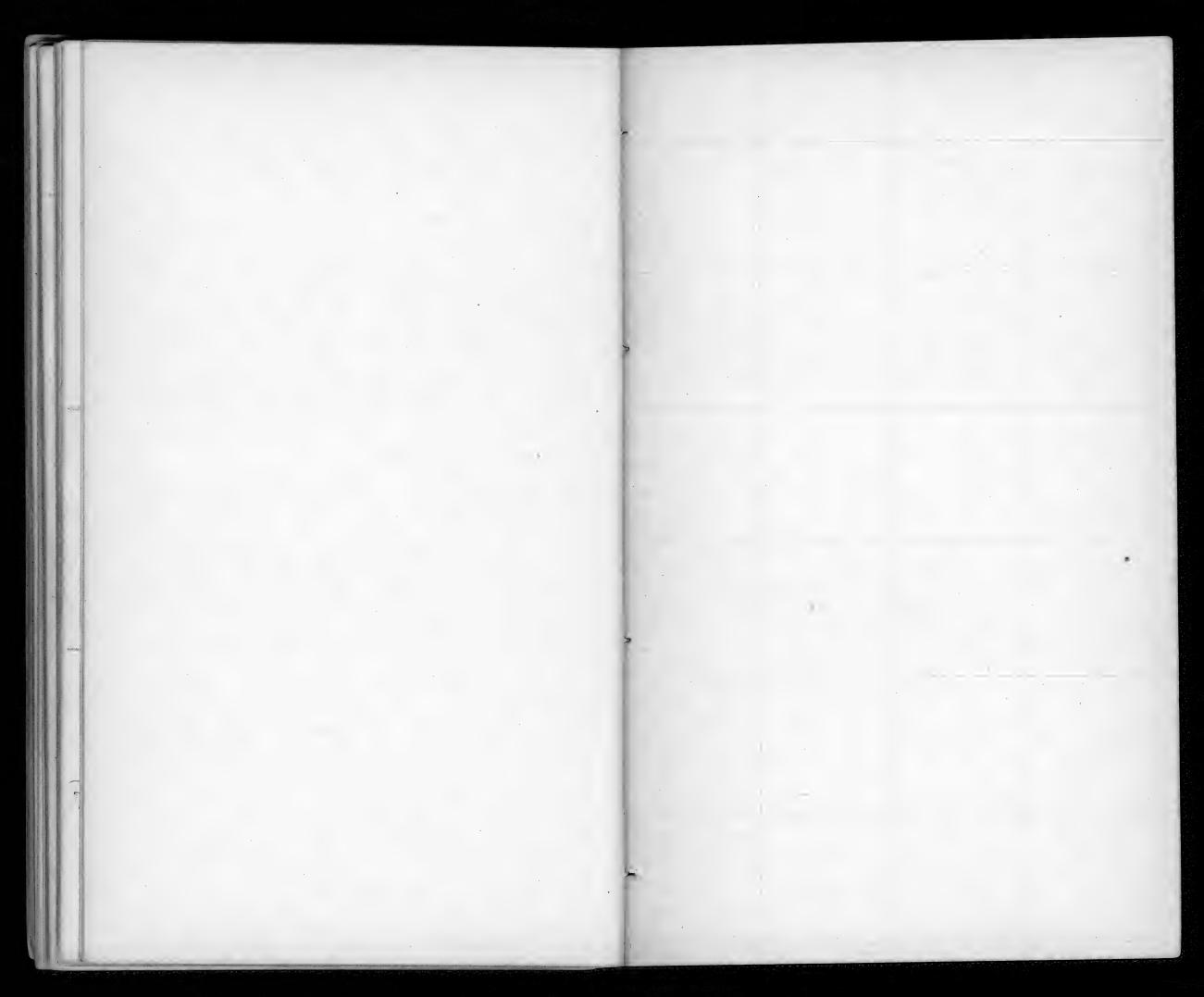
Thirday May 30

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**Signals making V A computations. 29.880. Platting all day Outside tedalobs. _ Finday May 31 _ Thu. 43.47.47. Bar, 29, 825 - Church Halling temps to att squally NW wind and acces seizul rain squalle. Pull oun fully currents Wakhta to Romettop, girill opy wyathow 410 Platting angles Capy let obo. open new holebook Skelokis hear and. Tibal oly, Shilling and Sundy Copy hoad table. Year rome Studick stork. write pays ethpol-Soundings Copy



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